

Detailed System Design

<i>Version/ Review Date</i>	<i>Brief Summary of Changes From Prior Version</i>
Version 1.0 9/08/03	<ul style="list-style-type: none">▪ Original

DDCT12: Trust Expenditure Voucher

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1. Overview

1.1. **Document Definitions and Naming Conventions**

This section describes/defines the DTD naming conventions applied in this document.

Transaction Layout Definitions

- Attribute – The name of the data element in the database, as well as the name of the XML tag.
- Caption – The label on the User Interface that defines the data element.
- Description – A textual description of the data element.
- R/C – Required/Conditional. Required specifies that the data element is required by the interface for the transaction to successful submit. Conditional means that specified conditions must be adhere to by the interface for the transaction to successful submit. No value specifies that the data element is optional by the interface for the transaction to submit.
- Type – The data type of the data element.
 - VarChar – Variable Character text. Alphanumeric data.
 - Byte – Unsigned character.
 - Char – Character. Fixed length alphanumeric text, required to meet the exact specified size.
 - Date – Date Format YYYY-MM-DD
 - Decimal – Numeric value with a specified decimal position (9,3) = 999999999.999
 - Boolean – True/False. True conditions = “true”, False conditions = “false”.
 - Memo – Alphanumeric Text with a maximum of 1500 characters.
 - Currency – Numeric, with two decimal positions. Format 9999.99.
 - Integer – Numeric value, a whole number.
 - Long - Numeric value, a long whole number.
- Size – The (numeric) size of the data element

- NewMMARS Notes – Notes specific to the NewMMARS data element.
 - CVL – Coded Value List, the value of the data element must come from the CVL table specified in the NewMMARS Notes.
- MMARS Derivation Notes – Notes specific to translating MMARS document layout data to NewMMARS.
 - H.TEXT – Data element from the header or document section of the MMARS document layout.
 - L.TEXT – Data element from the line or detail section of the MMARS document layout.

XML Definitions and Conventions

- Root - The NewMMARS XML file and document root declaration identifies required root elements that must contain for the XML file or document (transaction) to load into NewMMARS. The NewMMARS XML file must contain a single root element that contains specified attributes, at the file level. Each document transactions contained within the XML file must also contain a root element that contains the specified attributes, at the document level.
- Attributes - Attributes are name-value pairs that occur inside start-tags after the element name.
- Elements - Elements are the most common form of markup. Delimited by angle brackets, most elements identify the nature of the content they surround. Elements normally begins with a start-tag, <element>, and ends with an end-tag, </element>.
- CDATA Tags - In a document, CDATA instructs the parser to ignore (most) markup characters. Between the start of the section, <![CDATA[and the end of the section,]>, all character data is passed directly to the application, without interpretation. Elements, entity references, comments, and processing instructions are all unrecognized and the characters that comprise them are passed “literally” to the application.

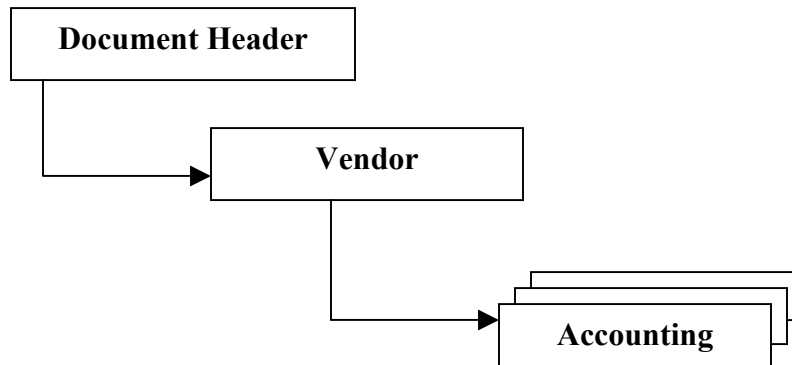
1.2. Document Usage

In MMARS, UMASS currently send a file containing TV transactions (Trust Voucher in MMARS) to MMARS through BDT (Bulk Data Transfer). Once received the transactions are copied to MMARS production data sets and input to OLD MMARS. All TV transactions are sorted and written to a CTR owned generational data set that is input to MMARS.

In NewMMARS the Trust Expenditure Voucher will support the original Trust Expenditure Voucher, Trust Expenditure Voucher Modifications through the single common Trust Expenditure Voucher (TV) document interface. This means that functions supported in the MMARS TV document interfaces will be supported in the NewMMARS single common Trust Expenditure Voucher document interface. This Trust Expenditure Voucher specification contains original entry Trust Voucher document (TV) and modifications to Trust Voucher document (TV).

1.3. Logical Document Component Structure

The TV has the following logical document structure:



2.Publishable Specification

2.1. Transaction Layout: TV (Original Entry and Modifications)

		Action Code		Component Description
		OE	MOD	
Document Component	AMS_DOCUMENT	R	R	XML file root element.
	ABS_DOC_HDR	R	R	Lists general information associated with the entire procurement.
	ABS_DOC_VEND	R	R	Lists selected Vendor for providing the goods/services. Vendors are selected from a pick list that is populated by the Vendor/Customer (VCUST) table.
	ABS_DOC_ACTG	R	R	Lists the accounting funds.

R – Required

CR – Conditionally Required: Required only if modifying a field within that component

O - Optional

2.1.1 TV AMS_DOCUMENT root element attributes

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_CAT	Document Category	The category in which the document is located.	R	VarChar	8	<p>The DOC_CAT is a fixed entry for all TV documents.</p> <p>Value:</p> <ul style="list-style-type: none"> ABS 	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VarChar	8	The DOC_TYP is a fixed entry for all TV documents. Value: <ul style="list-style-type: none"> ABS 	
DOC_CD	Document Code	The alpha-numeric identification code assigned to the document on the Document Control table.	R	VarChar	8	The DOC_CD is a fixed entry for all TV documents. Value: <ul style="list-style-type: none"> TV 	
DOC_DEPT_CD	Department Code	The department code assigned to this document.	R	VarChar	4	The Departmental is a Chart of Account code corresponding to the Department submitting the TV . Example: UMS	DOC_DEPT_CODE = H.TRANS-DEPT
DOC_UNIT_CD	Unit Code	The unit code associated with this document.	R	VarChar	4	Example: 1000	Departmental crosswalk to be used from H.TRANS-ORG to DOC_UNIT_CD
DOC_ID	Document Id	The document ID to identify this document.	R	VarChar	20	<ul style="list-style-type: none"> Must begin with "INTF" Remaining 16 characters must be used w/ no blanks Must be unique if new 	H.TRANS-NUMBER
DOC_VERS_NO	Document Version Number	The version number assigned to this document. The version is incremented with each modification draft and after with a cancellation.	R	Integer		For new transaction always = "1" For modifications = next sequential version number	
DOC_IMPORT_MODE	Document Import Mode	The import mode determining the phase of the document on import.	R	VarChar	4	Values: <ul style="list-style-type: none"> "OE" = Original Entries "MOD" = Modification 	

2.1.2 TV Document Component: ABS_DOC_HDR

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_CAT	Document Category	The category in which the document is located.	R	VarChar	8	Same as in AMS_DOCUMENT	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document.	R	VarChar	8	Same as in AMS_DOCUMENT	
DOC_CD	Document Code	The alpha-numb	R	VarChar	8	Same as in AMS_DOCUMENT	
DOC_DEPT_CD	Department	The department code assigned to this document	R	VarChar	4	Same as in AMS_DOCUMENT	
DOC_ID	Document ID	The document code and number that is either manually assigned or automatically generated by the system if you do not enter this information. The version number is assigned automatically. Duplicate document identification numbers are not allowed in the system	R	VarChar	20	Same as in AMS_DOCUMENT	
DOC_UNIT_CD	Document Unit Code	The unit code associated with this document.	R	VarChar	4	Same as in AMS_DOCUMENT	
DOC_VERS_NO	Document Version	The version number assigned to this document. The version is incremented with each modification draft and after with a cancellation	R	Integer		Same as in AMS_DOCUMENT	
DOC_NM	Document Name	Name for the document.		VarChar	60		
DOC_REC_DT_DC	Record date	The record date manually entered on the document header. If not manually entered, the date becomes the one when the document was submitted successfully.		Date			H.RECORD-YEAR + H.RECORD-MONTH + H.RECORD-DAY
DOC_BFY	Budget FY	When on the header of a document, this is the default budget fiscal year that will be pushed to all accounting lines. When on any other level of a document, it is just a means of getting the header value to the accounting lines. This default value will become the accounting line's budget fiscal year where one is not manually entered or defaulted from a reference document.		Integer			H.BUDGET-FY
DOC_FY_DC	Fiscal Year	The fiscal year associated with this document.		Integer			H.FISC-YEAR

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_PER_DC	Period	The manually entered accounting period for a document in draft. If not manually entered, the field remains blank until the document is submitted successfully. At this point it was set to the current accounting period. This field will be automatically blanked out by the application on any modification or cancellation draft.		Byte		Example: value = 6	H.FISC-MONTH
DOC_DSCR	Document Description	The description associated with the document.		VarChar	60		
BANK_ACCT_CD	Bank Account	The unique identification code associated with the bank account. This code is the key to the Bank (BANK) table. A bank account code is used in place of the actual bank account to prevent the posting of actual bank account numbers throughout the system.		VarChar	4	Must be valid on Bank (BANK) table.	
EXT_DOC_DSCR	Extended Description	A free-form text field that will hold a large volume of information to be associated with a document component. It is larger than the regular description field, but still limited unlike attachments.		Memo			
RTG_AM	Retainage Amount	The total amount of retainage withheld for all accounting lines if referencing an Award document. The amount is calculated based on the retainage terms established on the Award document.	C	Currency		Retainage Amount (RTG_AM) is required if DOC_IMPORT_MODE is equal to ' MOD '. However, However, it is being reconsidered. RTG_AM ="0.00"	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DISC_AM	Discount Amount	For Accounts Payable documents, it is the total amount of discounts applied to all the accounting lines. The Disbursement process updates this field. If the check is cancelled, this amount can be adjusted based on the cancellation type. For Investment documents, when recording investment earnings, users enter the actual amount of discounts in this bucket on the accounting line. The system will then take that amount and create the appropriate accounting entries.	C	Currency		Discount Amount (DISC_AM) is required if DOC_IMPORT_MODE is equal to 'MOD'. However, it is being reconsidered. DISC_AM ="0.00"	
PNLTY_INTR_AM	Penalty/Interest Amount	The total amount of penalty/interest applied to the document. The Disbursement process updates this field. If the check is cancelled, this amount can be adjusted based on the cancellation type.	C	Currency		Penalty/Interest Amount (PNLTY_INTR_AM) is required if DOC_IMPORT_MODE is equal to 'MOD'. However, it is being reconsidered. PNLTY_INTR_AM ="0.00"	
WHLD_AM	Withholding Amount	This field displays the amount of Backup Withholding that was withheld at the time of disbursements.	C	Currency		Withholding Amount (WHLD_A) is required if DOC_IMPORT_MODE is equal to 'MOD'. However, However, it is being reconsidered. WHLD_A ="0.00"	
INCT_AM	Intercept Amount	The total amount of intercept payments applied to this Payment Request. Intercept amounts are a result of garnishments, liens, levies, and receivables against a vendor. This Disbursement process updates this field. If the check is cancelled, this amount can be adjusted based on the cancellation type.	C	Currency		Intercept Amount (INCT_AM) is required if DOC_IMPORT_MODE is equal to 'MOD'. However, However, it is being reconsidered. INCT_AM ="0.00"	
TBD *	Replacement (Flag)	This is a user-enter field that will be marked (procedurally) when a payment request is entered initiate the creation of a replacement check. This value will be used for reporting purposes and have no specific edits associated with it.		TBD			

*This field does not currently exist in baseline and is part of a system modification

2.1.3 TV Document Component: ABS_DOC_VEND

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_CAT	Document Category	The category in which the document is located.	R	VarChar	8	Same as in AMS_DOCUMENT	
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document.	R	VarChar	8	Same as in AMS_DOCUMENT	
DOC_CD	Document Code	The alpha-numb	R	VarChar	8	Same as in AMS_DOCUMENT	
DOC_DEPT_CD	Department	The department code assigned to this document	R	VarChar	4	Same as in AMS_DOCUMENT	
DOC_ID	Document ID	The document code and number that is either manually assigned or automatically generated by the system if you do not enter this information. The version number is assigned automatically. Duplicate document identification numbers are not allowed in the system	R	VarChar	20	Same as in AMS_DOCUMENT	
DOC_UNIT_CD	Document Unit Code	The unit code associated with this document.	R	VarChar	4	Same as in AMS_DOCUMENT	
DOC_VERS_NO	Document Version	The version number assigned to this document. The version is incremented with each modification draft and after with a cancellation	R	Integer		Same as in AMS_DOCUMENT	
DOC_VEND_LN_NO	Document Vendor Line Number	The vendor line number visible to a user that uniquely identifies each vendor line within a document.	R	Integer		The DOC_VEND_LN_NO is a required entry for all TV documents. Value: 1	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
VEND_CUST_CD	Vendor Customer	The unique identifier assigned to the vendor/customer. In ADVANTAGE Financial, a vendor can also be a customer, allowing you to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	R	VarChar	20	<p>The VEND_CUST_CD is a required entry for all TV documents.</p> <p>Must be valid on Vendor Customer (VCUST) table.</p> <p>Vendor Customer (VEND_CUST_CD) cannot be modified if DOC_IMPORT_MODE is equal to 'MOD'.</p>	VEND_CUST_CD = H.VENDOR-ID-CODE (Cross –walk needed)
LGL_NM	Legal Name	The legally defined name of the company or individual represented by this record. The field is used for reporting if defined as not alias/DBA.		VarChar	60		
ALIAS_NM	Alias/DBA	The alternate name, alias or operating name (doing business as) used to identify the account.		VarChar	60		
AD_ID	Address Code	The Address Code or ID given to a unique address for a vendor or customer. The use of different Address Codes will allow a single vendor or customer code to have multiple addresses.		VarChar	20	If left blank, it will default to default AD_ID set on VCUST .	AD_ID = H.VENDOR-ADDRESS-Code (Cross-walk need)
AD_LN_1	Address Line 1	The first line of the address.		VarChar	75	<p>If the Address Code (AD_ID) is valid, this field is inferred.</p> <p>Require entry for MOD if the Address Code (AD_ID) is entered.</p>	
AD_LN_2	Address Line 2	The second line of the address.		VarChar	75		
CITY	City	The city name associated with the address.		VarChar	60	<p>If the Address Code (AD_ID) is valid, this field is inferred.</p> <p>Require entry for MOD if the Address Code (AD_ID) is entered.</p>	
ST	State	The state or province.		VarChar	2	If the Address Code (AD_ID) is valid, this field is inferred.	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
ZIP	Zip	The zip code associated with the address.		VarChar	10	If the Address Code (AD_ID) is valid, this field is inferred.	
CTRY	Country	The unique identification code associated with the country.		VarChar	3		
CNTY_NM	County	The name associated with the county. If you do not provide a county name, the name does not display on reports.		VarChar	75		
CNTAC_ID	Vendor Contact ID	The unique identification number assigned to the contact. The use of different contact ID's will allow a single vendor or customer code to have multiple contacts.		VarChar	20	If left blank, it will default to default CNTAC_ID set on VCUST .	
PRIN_CNTAC	Vendor Contact Name	The vendor's procurement contact.		VarChar	60		
VOICE_PH_NO	Vendor Contact Phone	The telephone number associated with the contact.		VarChar	30		
VOICE_PH_EXT	Vendor Contact Phone Ext	The telephone number extension associated with the contact.		VarChar	6		
EMAIL_AD	Vendor Contact Email	The email address associated with the contact.		VarChar	100		
FAX_PH_NO	Fax	The fax extension number associated with a contact, be it a vendor, customer, or internal contact.		VarChar	30		
FAX_PH_EXT	Fax Extension	The optional fax extension number associated with the fax number for a contact, be it a vendor, customer, or internal contact.		VarChar	6		
WEB_AD	Web Address http://	The web address for this company/individual.		VarChar	100		

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
VEND_DISB_CAT	Disbursement Category	The vendor/customer disbursement category associated with the document.	C	VarChar	4	<p>This field is a required field. However, it will default to the valid combination value if left blank.</p> <p>Must be valid on Disbursement Category (DISC) table and Disbursement Category Inference and Combination Validation (DISCIV) table.</p> <p>Disbursement Category (VEND_DISB_CAT) cannot be modified if DOC_IMPORT_MODE is equal to 'MOD'.</p>	H.BUSINESS-FUNC-CODE
DISB_PRTY_CD	Disbursement Priority	This field determines the order in which a disbursement is processed during the Automated Disbursement process. Must be valid on the Disbursement Priority page.		Integer			
DFLT_DISB_FRMT	Disbursement Format	The default disbursement format to be used when generating payments to this record. Must be valid on the Disbursement Format page.		VarChar	4		
HDLG_CD	Handling Code	The code associated with individual types of disbursement instrument handling.		Char	2		
ONL_DISB_RQST_FL	On Line Disbursement Rqst	Indicates that an online disbursement should be created for this payment. This flag cannot be selected if the disbursement type is EFT. If selected, this payment will be selected during the next on-line disbursement cycle.		Boolean			

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
PAY_THRD_PTY	Pay Third Party	When the Trust Expenditure Voucher document (TV) is entered and the payment should be made to the third party, the Third Party flag must be selected. Otherwise, the payment will be made to the primary vendor. The third party vendor must exist in the system, and must have a relationship established with the primary vendor on the Vendor Customer table.		Boolean			
DISC_1_DY	Days 1	The number of days from the Invoice Date (or Transaction Date if Invoice Date is not entered), that the corresponding Discount Percentage will be used.		Integer			
DISC_2_DY	Days 2	The number of days from the Invoice Date (or Transaction Date if Invoice Date is not entered), that the corresponding Discount Percentage will be used.		Integer			
DISC_3_DY	Days 3	The number of days from the Invoice Date (or Transaction Date if Invoice Date is not entered), that the corresponding Discount Percentage will be used.		Integer			
DISC_4_DY	Days 4	The number of days from the Invoice Date (or Transaction Date if Invoice Date is not entered), that the corresponding Discount Percentage will be used.		Integer			
DISC_1_PC	Percent 1	The percentage to be used to calculate the discount amount if the payment is made within the specified number of days.		Decimal	(7,4)		
DISC_2_PC	Percent 2	The percentage to be used to calculate the discount amount if the payment is made within the specified number of days.		Decimal	(7,4)		
DISC_3_PC	Percent 3	The percentage to be used to calculate the discount amount if the payment is made within the specified number of days.		Decimal	(7,4)		

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DISC_4_PC	Percent 4	The percentage to be used to calculate the discount amount if the payment is made within the specified number of days.		Decimal	(7,4)		
DISC_ALW_1_FL	Discount Always 1	When selected, indicates that all other subsequent discount terms no longer apply. The discount always applies, even if the number of net days has passed. Default is cleared. Only one of the discount always flags can be selected at any given time.		Boolean			
DISC_ALW_2_FL	Discount Always 2	When selected, indicates that all other subsequent discount terms no longer apply. The discount always applies, even if the number of net days has passed. Default is cleared. Only one of the discount always flags can be selected at any given time.		Boolean			
DISC_ALW_3_FL	Discount Always 3	When selected, indicates that all other subsequent discount terms no longer apply. The discount always applies, even if the number of net days has passed. Default is cleared. Only one of the discount always flags can be selected at any given time.		Boolean			
DISC_ALW_4_FL	Discount Always 4	When selected, indicates that all other subsequent discount terms no longer apply. The discount always applies, even if the number of net days has passed. Default is cleared. Only one of the discount always flags can be selected at any given time.		Boolean			

2.1.4 TV Document Component: ABS_DOC_ACTG

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_CAT	Document Category	The category in which the document is located.	R	VarChar	8	Same as in AMS_DOCUMENT	
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document.	R	VarChar	8	Same as in AMS_DOCUMENT	
DOC_CD	Document Code	The alpha-numb	R	VarChar	8	Same as in AMS_DOCUMENT	
DOC_DEPT_CD	Department	The department code assigned to this document	R	VarChar	4	Same as in AMS_DOCUMENT	
DOC_ID	Document ID	The document code and number that is either manually assigned or automatically generated by the system if you do not enter this information. The version number is assigned automatically. Duplicate document identification numbers are not allowed in the system	R	VarChar	20	Same as in AMS_DOCUMENT	
DOC_UNIT_CD	Document Unit Code	The unit code associated with this document.	R	VarChar	4	Same as in AMS_DOCUMENT	
DOC_VERS_NO	Document Version	The version number assigned to this document. The version is incremented with each modification draft and after with a cancellation	R	VarChar		Same as in AMS_DOCUMENT	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
EVNT_TYP_ID	Event Type	The alpha-numeric identification code assigned to an event type. Each event type ID must be unique within the application. It is required when completing any accounting or budgeting document with the exception of certain journal vouchers. Default event types can be established on the Allowable Event Types for Document Code table for each document code for the most commonly used ones to reduce data entry. Other crosswalk tables aid accounts receivable and payable documents to default the correct event type when a document is referenced based on the one from the referenced document. It also may be a selection criteria on a parameter table, a key to a specific business rule on a control table, or the event type recorded on a historical record.	R	VarChar	4	<p>Required to provide a valid Event Type, refer to the ETYP table/Page Code, for the document.</p> <p>Value: TV01 - Cash Expenditure Correction</p> <p>Event Type (EVNT_TYP_ID) cannot be modified if DOC_IMPORT_MODE is equal to 'MOD'.</p>	
ACTG_TMPL_ID	Accounting Template	The unique identification code assigned to the accounting template. Accounting templates are used to bring in chart of account element codes for ease of data entry on documents.		VarChar	6	<p>The Department may choose to set up an Accounting Template, which will contain Budget information. Use of the Account Template will default Account Template (Budget) information for the Accounting Line.</p> <p>Must be valid on Accounting Template (ACTPL) table.</p>	
ACTG_LN_DSCR	Line Description	The description associated with the line.		VarChar	100	Department may provide Accounting Line Description in this data element.	ACTG_LN_DSCR = L.LINE-DESCRIPTION

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
LN_AM	Line Amount	The amount of an individual record of a document component, be it the header, vendor line, commodity line, accounting line, budget line, or allotment. The amount could also be the amount recorded to a table that tracks document updates such as the Statement Detail table or a journal.	R	Currency		<p>The Line Amount (LN_AM) can be used for a modification decrease.</p> <p>The Line Amount (LN_AM) can not be used for a modification increase if the Prevent New Spending indicator on the Vendor Customer (VCUST) table is set to 'For ALL Departments' or 'For Specific Departments'.</p>	LN_AM = L.LINE -AMONT
BFY	Budget FY	The budget fiscal year with which this calendar date is associated. Must be valid on the Fiscal Year page.	C	Integer		It is a required field if DOC_IMPORT_MODE is equal to 'MOD' .	H.BUDGET-FY
FY_DC	Fiscal Year	The fiscal year on an accounting document that defaults to the current year or is manually entered by a user, which is used to look up options, validate codes, and ultimately records accounting entries. This date is automatically cleared by the system when a modification or cancellation is done.		Integer		Example: 2004	H.FISC-YEAR
PER_DC	Period	The accounting period manually entered or loaded offline on a document's accounting line. The field is also populated when an accounting period is entered or loaded offline to the header that defaults to all accounting lines. If not manually or offline loaded, the field is set to the current period when the document reaches the final state. This period value is what is written to all journals and ledgers. This field is reset to blanks when a cancellation or modification is done.		Byte		Example: 1 - 12	H.FISC-MONTH

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
BANK_ACCT_CD	Bank	The unique identification code associated with the bank account. This code is the key to the Bank (BANK) table. A bank account code is used in place of the actual bank account to prevent the posting of actual bank account numbers throughout the system.	R	VarChar	4	Must be valid on Bank (BANK) table.	
VEND_INV_NO	Vendor Invoice Number	The invoice number from the invoice received from the vendor.		VarChar	30		
VEND_INV_LN_NO	Vendor Invoice Line	The invoice line number from the invoice received from the vendor.		Integer			
VEND_INV_DT	Vendor Invoice Date	The date of the invoice received from the vendor.		Date			
TRKG_DT	Tracking Date	Provides the ability to record or track any date related to the invoice or payment of goods and services.		Date			
CHK_DSCR	Check Description	The text to be printed on the check stub.		VarChar	250		
FUND_CD	Fund	The identification code associated with a fund record, which is an essential part of a governmental accounting system. Values may be entered as a chart of account element on a budget or accounting document. The Fund may also be used as selection criteria on an input parameter. The Fund may be entered to associate rules with a fund that are designated on other tables than the fund table. Lastly, it can be the fund recorded on a historical record.	C	VarChar	4	This is a required field. However if a valid accounting template is referenced, the field could be inferred. Must be valid on Fund (FUND) table.	FUND_CD = "0"+ L.Fund

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
SFUND_CD	Sub Fund	The identification code associated with the sub-fund.		VarChar	4	This is a required field. However if a valid accounting template is referenced, the field could be inferred. Must be valid on Sub Fund (SFUND) table.	
DEPT_CD	Department	An identification code assigned to an central organizational level element where the decentral structure is set. The department field may be used as an input field on a document, an additional key to another chart of account element, a selection criteria on a parameter table, a key to a specific business rule on a control table, a field to be inferred on a document, or the department value on a historical record.	C	VarChar	4	This is a required field. However if a valid accounting template is referenced, the field could be inferred. Must be valid on Department (DEPT) table.	
UNIT_CD	Unit	Unit is the lowest organizational level in the main organizational structure. Only sub unit is lower, but it is not necessarily required as unit is. At the unit level, all the organizational elements it reports to are defined so that they are inferred to accounting documents. Unit codes themselves can be values entered on budgeting and accounting documents, keys to business rule tables, and values seen in historical records.	C	VarChar	4	This is a required field. However if a valid accounting template is referenced, the field could be inferred. Must be valid on Unit (UNIT) table.	
SUNIT_CD	Sub Unit	Sub Unit is a means of breaking down a unit code into smaller measurements. It is the lowest level of organizational structure and is required or prohibited based on one or more sub unit requirement tables.		VarChar	4	This is a required field. However if a valid accounting template is referenced, the field could be inferred. Must be valid on Sub Unit (SUNIT) table.	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
APPR_CD	Appr	The identification code assigned to a single appropriation unit. An appropriation is a budgeting Chart of Accounts element. The appropriation field may be used as an input field on a document, a selection criteria on a parameter table, a key to a specific business rule on a control table, a field to be inferred on a document, or the appropriation value on a historical record.	C	VarChar	9	This is a required field. However if a valid accounting template is referenced, the field could be inferred. Must be valid on Appropriation (APPR) table.	APPR_CD = L APPR-CODE (Cross-Walk needed)
OBJ_CD	Object	The identification code associated with an object of expenditure. Object is a fund accounting Chart of Accounts element. These codes can then be used to create expense budgets, track spending activity, trigger business rules, and serve as selection criteria for batch jobs.	C	VarChar	4	This is a required field. However if a valid accounting template is referenced, the field could be inferred. Must be valid on Object (OBJ) table.	OBJ_CD = L.OBJECT
SOBJ_CD	Sub Object	The identification code associated with the sub-object. Sub-object is a fund accounting Chart of Accounts element.		VarChar	4	This is a required field. However if a valid accounting template is referenced, the field could be inferred. Must be valid on Sub Object (SOBJ) table.	SOBJ_CD = L.SUB-OBJECT
RSRC_CD	Revenue Source	Revenue sources are used to track individual sources of revenue taken in.		VarChar	4		
SRSRC_CD	Sub Revenue Source	The identification code associated with the sub-revenue source.		VarChar	4		
BSA_CD	BSA	The identification code assigned to the balance sheet account. The balance sheet account code is the first level of six allowed rollups. The progression of the rollups is:		VarChar	4		
SBSA_CD	Sub BSA	The identification code assigned to the sub-balance sheet account. The use of sub-balance sheet accounts is optional within ADVANTAGE Financial.		VarChar	4		

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
OBSA_CD	OBSA	The balance sheet account code to which the offset is posted. In most cases, there is a default established for this code; however, certain documents will allow users to manually enter a value to be used other than the default. The posting code that the offset account is associated with will edit that the supplied or defaulted account is of the correct account type, and whether or not it should be a cash or memo account.		VarChar	4		
OSBSA_CD	Sub OBSA	The sub-balance sheet account to which the offset is posted.		VarChar	4		
DOBJ_CD	Dept Object	The identification code assigned to the Department object.		VarChar	4		
DRSRC_CD	Dept Revenue	The code assigned to the department revenue source.		VarChar	4		
LOC_CD	Location	The identification code assigned to the location. Location is a programmatic Chart of Accounts element.		VarChar	4		
SLOC_CD	Sub Location	The identification code associated with the sub-location.		VarChar	4		
ACTV_CD	Activity	The identification code associated with the activity. An activity is an internal program that you want to define for budgeting and/or reporting purposes. Activities can cut across agency and fund boundaries.		VarChar	4		
SACTV_CD	Sub Activity	The identification code associated with the sub-activity.		VarChar	4		
FUNC_CD	Function	The identification code associated with the function. The function code defines broad operational objectives, such as instruction, support services, and facilities acquisition.		VarChar	4		
SFUNC_CD	Sub Function	The identification code associated with the sub-function.		VarChar	4		SFUND_CD = L.REPORTING-CATEGORY

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
RPT_CD	Reporting	The reporting code element is a programmatic element that can be used in many different ways for measurement and tracking. It is even used as an informal cost accounting entity at times. It can be used on all accounting documents and is stored in journals and optionally in ledgers.		VarChar	10		
SRPT_CD	Sub Reporting	Sub reporting codes are used to further define a specific reporting code.		VarChar	4		
TASK_CD	Task	The unique identification code assigned to the task.		VarChar	4		
STASK_CD	Sub Task	The sub task is a means of breaking down tasks into smaller components.		VarChar	4		
TASK_ORD_CD	Task Order	The unique identification code assigned to the task order.		VarChar	6		
PROG_CD	Program	The identification code assigned to the program. Program is a cost accounting Chart of Accounts element. The program field may be used as an input field on a document, a selection criteria on a parameter table, a key to a specific business rule on a control table, a field to be inferred on a document, or the program value on a historical record.		VarChar	6		
PHASE_CD	Phase	The identification code assigned to the phase. Phase is a cost accounting Chart of Accounts element representing a phase of a program.		VarChar	4		
PPC_CD	Program Period	The identification code assigned to the program period.		VarChar	6		
SVC_FRM_DT	Service From Date	The service from date from the Payment Request document.		Date			SVC_FRM_DT = L. SERVICE-FRM-YEAR + L. SERVICE-FRM-MONTH SERVICE-FRM-DAY
SVC_TO_DT	Service To Date	The service to date from the Payment Request document		Date			SVC_TO_DT = L. SERVICE-TO-YEAR + L. SERVICE-TO-MONTH SERVICE-TO-DAY

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
TBD*	Disbursement Frequency	Designates an accounting line as eligible for daily or weekly disbursement. Infer from the Advance Type Field. If Advance Type is blank, infer from the Object tables based on the value entered in the Object field.		TBD*			
TBD*	Special Instructions Code	This is a user-entered field that is a code defined on the SPIS table that will associate an accounting line with a predefined text message. This will carry forward to the disbursement document accounting line so that it is available as information for the check stub. Must be a valid code on the Special Instructions (SPIS) table.		TBD*			

*This field does not currently exist in baseline and is part of a system modification

2.1.5 Original Entry TV Example 1 – XML layout with no references

This example is for a new TV with one vendor and one accounting line.

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2.1.6 Modification TV Example 2 – XML layout with no references

This example modifies the TV Example 1 increasing the Line Amount to \$150 from the first Accounting.

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3.